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(54) Title: DOMAIN-SPECIFIC LANGUAGE INTERPRETER AND INTERACTIVE VISUAL INTERFACE FOR RAPID SCREENING

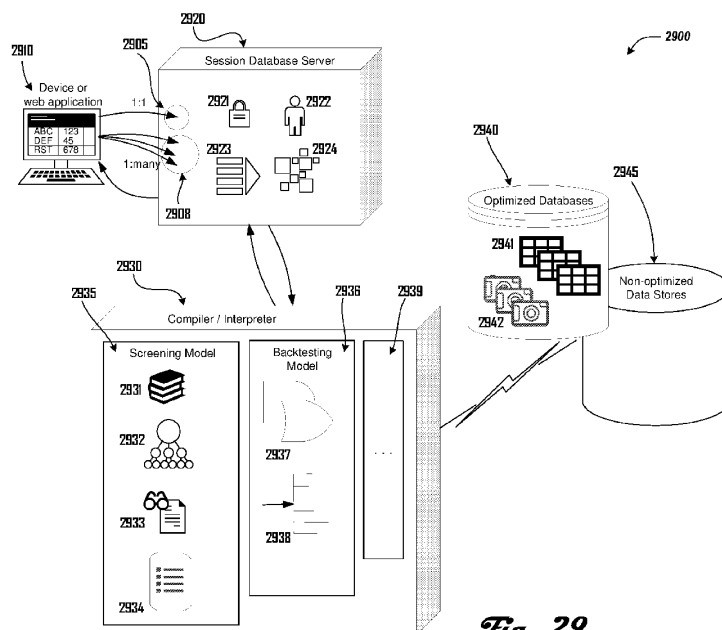


Fig. 29

(57) Abstract: This application discloses improved systems and methods that allow a user of a computing system specially configured for a domain to explore and filter data in an attribute-rich data set to test winnowing strategies and discover targets of particular interest. The technology includes an input interface such as multiline editor that allows the user to enter, amend, add, insert, subtract, change, and otherwise freely edit entered symbols and operators at any time. A domain-specific language interpreter processes the entered symbols and operators on a continual basis as they are updated. An interactive visual interface also includes a grid view that displays live results that update according to current contents of the input interface.

MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
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Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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